

Prevention Training Issues	Prevention Awareness	Prevention Policy Development	Transportation/Facility Prevention Program Management	Community Prevention Program Management	Prevention in Operations	Design and Plans Review	Inspection & Enforcement	Appendix A: Prevention Authorities	Appendix B: Training Mandates	Appendix C: Federal Programs	Appendix D: OSHA 1910.119
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Hazardous Materials Prevention Training Guidelines

Prevention Awareness

General Training Considerations

Introduction

Prevention Awareness describes the introductory training requirements of all audiences in the Hazardous Materials Prevention Curriculum. Instruction in this area is intended to give participants a general knowledge base about prevention that can serve as a foundation for subsequent job-specific training.

The goal of Prevention Awareness training is to enhance participants' understanding of the importance and benefits of prevention, and to motivate them to seek additional information and assistance as needed. This goal is accomplished by providing students with 1) an introduction to basic prevention terminology and concepts, 2) an explanation of individual and organizational roles in prevention, and 3) an overview of common prevention methods and activities.

(Note: As defined here, Prevention Awareness is a common training requirement for all audiences, not a unique audience category. This material would typically be included in training delivered to each of the audiences described in the following sections. It is presented as a separate category to minimize redundancy and to facilitate use for mixed audiences, non-hazmat workers, and the general public.)

Audience

The training audience for Prevention Awareness includes everyone that has responsibilities in hazardous materials prevention or could influence prevention efforts at the state and local levels. Specifically included are employees of hazardous materials facilities, transportation workers, and personnel in agencies and organizations that implement the community's prevention policies and plans. Other workers and the general public will also benefit by awareness training in prevention. Potential audiences include union members, employee groups, civic organizations, volunteer agencies, activist groups, etc.

Training Requirement

Prevention Awareness training includes generic information about prevention and the community's prevention system. Also included is a general orientation to the student's work requirements and expectations. More specific knowledge and skills are defined for different audience groups in subsequent sections of these *Guidelines*.

At the conclusion of training, participants should be able to describe the hazardous materials prevention system as it applies to them, their responsibilities in that system, and ways to get further assistance. Possible content areas include:

- Relevant technological hazards
- Applicable laws, regulations, and codes
- Common prevention strategies and activities
- Community and organizational plans, roles, and activities
- Sources of prevention information and training

Methodology Recommendations

Prevention Awareness training can usually be delivered in one to three hours of classroom instruction. Content is typically presented as an introductory module in a broader training program for a specific audience group, although stand-alone training is possible. This type of awareness-level training can also be presented through the use of written materials and instructional media, a strategy that is particularly cost-effective for large and dispersed audiences. Other recommendations and considerations include the following:

- Training should emphasize the jurisdiction's strategies and methods for creating a disaster resistant community, and encourage the coordination and cooperation of government agencies and private sector organizations in hazardous materials prevention.

Prevention Awareness General Training Considerations

- Heterogenous audiences for Prevention Awareness training provide the opportunity for cross-disciplinary information sharing and networking among participants.
- Appropriate instructional methodologies include case studies, discussions, and small group activities to promote participant interaction and individual action planning.
- Although the bulk of Prevention Awareness training is by definition generic, some tailoring of course materials to specific audiences may be beneficial to account for differences in community hazards, prevention strategies and systems, job requirements, etc.
- The use of instructional media (videotapes, slides, graphics, etc.) to enhance the impact and efficiency of training is particularly appropriate for this audience.

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Prevention Awareness

Recommended Training

Recommended Training

Prevention Awareness

Two types of statements are used to describe training requirements recommended for Prevention Awareness. Terminal objectives identify broad job competencies. Enabling objectives describe instructional accomplishments intended for a training (generally a classroom) environment. Together, these statements define generic training needs for all audience members. Hazardous materials training managers are encouraged to expand upon and refine this material to clarify the training requirements of specific audience groups.

The training objectives presented in the next section are consistent with federal requirements and national standards established for hazardous materials prevention. Included are FEMA and NRT prevention program planning guidelines for communities and facilities, DOT Transportation Regulations, various OSHA worker safety guidelines, EPA Accidental Release Prevention Requirements, and guidance disseminated by the chemical industry.

Objective Identification Legend



PAWR-1

This is the identification of the objective used in this document. It matches the identification code used in course assessment references. (See the Training Program Management section of this document.) Decimal numbers (such as PAWR-1.1) indicate enabling objectives supporting the primary objective.

Identification

Recommended Training Objectives

PAWR-1	Given the hazards in a specific jurisdiction, describe the purpose and benefits of hazardous materials prevention.
PAWR-1.1	Define hazardous materials prevention, and describe the benefits of hazardous materials prevention programs.
PAWR-1.2	Define Comprehensive Emergency Management (CEM) and the integrated approach to hazardous materials prevention.
PAWR-1.3	Describe the nature of technological hazards facing the community.
PAWR-1.4	Describe the concept of disaster resistant communities.
PAWR-2	Describe relevant aspects of a hazardous materials prevention system.
PAWR-2.1	Identify key legislation, regulations, and policies governing hazardous materials prevention.

Prevention Awareness Recommended Training

PAWR-2.2	Identify the roles and general responsibilities of federal, state, and local government agencies and private sector organizations in hazardous materials prevention.	Prevention Awareness	
PAWR-2.3	Describe the prevention planning process and participants.		
PAWR-2.4	Identify the roles and general responsibilities of workers and citizens in hazardous materials prevention.		Prevention Policy Development
PAWR-2.5	Describe major prevention strategies, activities, and how these should be developed in the emergency operations plan and prevention plans.		
PAWR-3	Given this model hazardous materials prevention program, describe common prevention activities.		Transportation/Facility Prevention Program Management
PAWR-3.1	Describe activities associated with Prevention Program Analysis and Planning: Review of authorities and statutory mandates Hazard analysis Program planning Program implementation, evaluation, and maintenance Interagency coordination and cooperation	Community Prevention Program Management	
PAWR-3.2	Describe prevention activities associated with Employee Participation, Education, and Training: Employee participation Employee education and training	Prevention in Operations	
PAWR-3.3	Describe prevention activities associated with Design, Plans Review, and Construction: Facility and systems/process design and construction Transportation and storage design and construction Plans review and permitting	Design and Plans Review	
PAWR-3.4	Describe prevention activities associated with Safety Systems: Pre-startup safety reviews Maintenance/mechanical integrity Management of change	Inspection & Enforcement	
PAWR-3.5	Describe prevention activities associated with Operations: System/Process safety information Operating guidelines and practices Contractor safety	Appendix A: Prevention Authorities	
PAWR-3.6	Describe prevention activities associated with Compliance and Enforcement: Safety inspections, investigations, and enforcement Compliance and safety audits Record keeping and reporting	Appendix B: Training Mandates	
PAWR-3.7	Describe prevention activities associated with Public Information and Education: Public awareness/prevention communication Family and individual preparedness	Appendix C: Federal Programs	
		Appendix D: OSHA 1910.119	
